

Lecture Schedule

L : Lecture D* : Demonstration of software F* : Feedback Session*

| Time Slot | November 10 (Monday) | November 11 (Tuesday) | November 12 (Wednesday) | November 13 (Thursday) | November 14 (Friday) | November 15 (Saturday) |
|---|--|--|----------------------------|---|-------------------------|---------------------------|
| 8.00 AM – 9.00 AM | Registration | | | | | |
| 9.00 AM - 10.30 AM | Inaugural Function and Key Note Lecture | L4: AWD (FL-A) | L6: SKB (ANN-A) | L10: SKB (FL-A) | L12: DNK (ANN-A) | D5 Clementine |
| | | | | Group Photo Session | | |
| 10.45 AM – 12.15 PM | L1: SKB (ANN) | L5: PKS (FL-A) | L7: NSR (ANN-A) | L11: KSR (ANN-A) | L13: MKJ (GA-A) | L16: DNK (GA-A) |
| | L | U | N | C | H | |
| 2.00 PM - 3.30 PM | L2: KSR (GA) | D1 Rolta | L8: AKG/DB (ANN-A) | D3 Geometica | L14: SKB (GEN) | L17: SKB (GEN) |
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| 3.45 PM - 5.15 PM | L3: AWD (FL) | D1 Rolta | L9: LSR (GA-A) | D3 Geometica | L15: KSR (GA-A) | Valedictory Function |
| 5.30 PM - 6.30 PM | F1 | | D2 MA and RG | D3 Geometica | D4 PA and PS | F2 |
| SKB – Prof. Sudhirkumar Barai KSR – Prof. K Sudhakar Reddy AWD – Prof. Ashok W Deshpande PKS – Prof. P K Sarkar NSR – Prof. N S Raghuwanshi | | AKG – Prof. A K Gupta DB – Mr. Debasis Basu LSR – Prof. L S Ramachandra MA – Mr. Manish Agrawal RG – Mr. Rahul Gouraha | | DNK – Prof. D Nagesh Kumar MKJ – Prof. M K Jha PA – Mr. Piyush Agrawal PS – Mr. Pratyush Sinha | | |

Lecture Details

Key Note Lecture:

Use of Soft Computing in Tata Steel: Some Examples

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|-------------------|--|--|
| Lecture 1: | Artificial Neural Networks: An Introduction | Sudhirkumar Barai |
| Lecture 2: | An Introduction to Genetic Algorithms | K Sudhakar Reddy |
| Lecture 3: | Primer on Fuzzy Logic | Ashok Deshpande |
| Lecture 4: | Fuzzy Logic Applications to Environment Management Systems | Ashok W Deshpande and D V Raje |
| Lecture 4: | Consumer's Willingness to Pay More for Municipal Supplied Water: A Case Study | D V Raje, P S Dhobe and Ashok W Deshpande |
| Lecture 5: | Development of Accessibility Standards by Using Fuzzy Set Theory in Context of Journey to Work in Delhi Urban Area, India | P.K.Sarkar |
| Lecture 6: | Case studies of Neural Networks Examples in Structural Engineering | Sudhirkumar Barai |
| Lecture 7: | Grass Reference Crop Evapotranspiration Estimation Using Artificial Neural Network Technique | N S Raghuwanshi |
| Lecture 7: | Application of Artificial Neural Networks in Estimation of Watershed Response | N S Raghuwanshi |
| Lecture 8: | An Application Of Artificial Neural Networks To The Prediction Of Air Pollution Concentrations | Ashok Kumar Gupta |
| Lecture 8: | Application Of ANN In Modeling Transportation Problem: A Case Study | Debasis Basu |

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| Lecture 9: | Application Of Genetic Algorithms In Structural Optimization Problems | L S Ramachandra |
| Lecture 10: | Damage Assessment of Railway Steel Bridges: Fuzzy Logic Approach | Sudhirkumar Barai |
| Lecture 11: | The Use of Neural Networks for Backcalculation of Layer Moduli | K Sudhakar Reddy |
| Lecture 12: | ANN Applications in Hydrology – Strengths & Weaknesses | D Nagesh Kumar |
| Lecture 13: | Application Of Genetic Algorithm In Aquifer Analysis | Madan Kumar Jha |
| Lecture 13: | Optimization of Well Parameters by Genetic Algorithm | Madan Kumar Jha |
| Lecture 14: | Instance Based Learning Models for Liquefaction Potential Assessment | Sudhirkumar Barai |
| Lecture 15: | An Evaluation Of Effective Pavement Layer Moduli Using Genetic Algorithms | K Sudhakar Reddy |
| Lecture 16: | Application of Genetic Algorithms for Optimal Reservoir Operation | D Nagesh Kumar |
| Lecture 17: | Examples of Data Mining in Transportation Engineering | Sudhirkumar Barai |